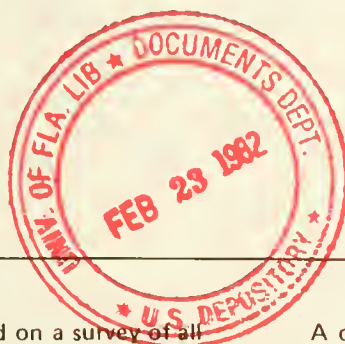




U.S. Department of Commerce
BUREAU OF THE CENSUS
BUREAU OF INDUSTRIAL ECONOMICS



Copper Controlled Materials

THIRD QUARTER 1981

ITA-9008-(81)-3
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The statistics in this publication are based on a survey of all known producers of brass mill products and copper-based powder products and a 95-percent sample of producers of wire mill products. The figures represent total U.S. shipments of copper-base mill and foundry products.

A description of the survey methodology and related information may be found in the 1980 annual summary report for this series, ITA-9008(81)-2, issued in combination with the second quarter 1981 report in November 1981.

Table 1. SUMMARY OF SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Quarter and year	Total	Brass mill products		Copper wire mill products ¹			Brass and bronze foundry products ³	Copper-base powder mill product
		Alloyed	Unalloyed	Bare wire ²	Insulated communication wire	Other insulated wire		
1981								
Third quarter.....	1,498	455	215	81	188	432	116	11
Second quarter.....	1,592	462	254	88	192	458	125	13
First quarter.....	1,591	446	264	82	196	470	121	12
1980								
1980, total.....	5,786	1,508	959	293	797	1,693	489	47
Fourth quarter.....	1,361	372	239	67	154	401	115	13
Third quarter.....	1,341	325	212	61	221	412	102	8
Second quarter.....	1,411	362	232	79	203	398	126	11
First quarter.....	1,673	449	276	86	219	482	146	15
1979, total.....	6,707	1,869	1,107	236	846	1,966	617	66
1978, total.....	6,266	1,750	962	238	806	1,867	580	63

Note: Detail may not add to totals due to independent rounding.

¹Revised by 5 percent or more from previously published figures.

²Represents copper content weight, rather than metal weight.

³Represents uninsulated, bare tinned, and/or alloy coated wire.

⁴Source: Bureau of the Census Current Industrial Reports Series M33E, Nonferrous Castings.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Robert Marske, (301) 763-2528.

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Table 2. SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Product	1981		1980
	Third quarter	Second quarter	Third quarter
Total shipments.....	1,498	1,592	1,341
Copper-base mill products.....	670	^r 716	537
Copper-base alloy:			
Sheet and strip ¹	195	^r 218	133
Rod, bar, and wire.....	229	^r 206	165
Tube and pipe.....	31	38	27
Unalloyed copper:			
Sheet and strip.....	45	^r 54	44
Rod, bar, and wire ²	31	^r 36	28
Tube and pipe.....	139	164	140
Copper wire mill products ³	701	^r 738	694
Bare wire ⁴	81	^r 88	61
Insulated communication wire.....	188	^r 192	221
Other insulated wire.....	432	^r 458	412
Brass and bronze foundry products ⁵	116	125	102
Copper-base powder mill products.....	11	13	8
Copper-base alloy:			
Granular.....	2	2	2
Flake.....	(Z)	(Z)	(Z)
Unalloyed copper:			
Granular.....	8	10	5
Flake.....	1	1	1

Note: Detail may not add to totals due to independent rounding. Monthly shipments data for brass mills and copper wire mills of primary companies are available in Current Industrial Reports Series M33K, Inventories of Brass and Copper Wire Mill Shapes.

^rRevised by 5 percent or more from previously published figures. (Z) Less than 500,000 pounds.

¹Military ammunition cups and discs are included on net-weight basis, i.e., excluding the weight of the webbing scrap generated in the cupping and discing.

²Does not include electrical wire.

³Represents copper content weight, rather than metal weight.

⁴Represents uninsulated, bare, tinned, and/or alloy coated wire.

⁵Source: Bureau of the Census Current Industrial Reports Series M33E, Nonferrous Castings.

Table 3. COPPER-BASE MILL PRODUCTS, SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1981

(Quantity in millions of pounds, value in \$1,000)

Product ¹	Manufac- turer's ¹ shipments	Exports of domestic merchandise ^{1 2}		Estimated producers' value ³	Percent, exports to manufac- turers' shipments (quantity)	Imports for consumption ^{1 4}		Apparent consump- tion ⁶ (quantity)	Percent, imports to apparent consump- tion (quantity)
		Quantity	Value at port			Quantity	Value ⁵		
THIRD QUARTER 1981									
Copper-base mill products ⁷	762	25	61,956	60,320	3	114	123,203	851	13
Brass mill products:									
Copper-base alloy:									
Sheet and strip.....	195	2	8,119	7,901	1	69	64,409	487	14
Rod, bar, and wire.....	229	4	6,585	6,408	2				
Tube and pipe.....	31	6	16,686	16,237	19				
Unalloyed copper:									
Sheet and strip.....	45	(Z)	820	798	(Z)	14	16,089	85	16
Rod, bar, and wire.....	31	5	6,821	6,638	16				
Tube and pipe.....	139	4	7,389	7,190	3				
Copper wire mill products, bare wire.....	181	3	14,438	14,050	4	6	7,642	84	7
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	2	1	1,098	1,098	9	1	1,427	11	9
Flake.....	(Z)								
Unalloyed copper:									
Granular.....	8								
Flake.....	1								
SECOND QUARTER 1981									
Copper-base mill products ⁷	817	28	69,199	67,377	3	91	113,094	880	10
Brass mill products:									
Copper-base alloy:									
Sheet and strip.....	218	5	13,849	13,476	2	57	56,902	474	12
Rod, bar, and wire.....	206	2	5,129	4,991	1				
Tube and pipe.....	38	6	17,929	17,447	16				
Unalloyed copper:									
Sheet and strip.....	54	(Z)	970	944	(Z)	7	16,284	90	8
Rod, bar, and wire.....	36	7	8,681	8,447	19				
Tube and pipe.....	164	4	9,355	9,103	2				
Copper wire mill products, bare wire.....	188	3	11,773	11,456	3	5	6,228	90	6
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	2	1	1,513	1,513	8	1	1,473	13	8
Flake.....	(Z)								
Unalloyed copper:									
Granular.....	10								
Flake.....	1								

^rRevised by 5 percent or more from previously published figures. (Z) Less than half the stated unit of measure.¹A comparison of domestic manufacturers' shipments, export, and import codes for copper-base mill products appears in the 1980 annual summary report for this series, ITA-9008(81)-2, issued in combination with the second quarter 1981 report in November 1981.²Source: Bureau of the Census Report FT-410, U.S. Exports--Schedule E--Commodity by Country.³These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors (0.9731 for industry group 335 relating to brass mill and copper wire mill products and 1.000 for industry group 339 relating to copper-base powder mill products) are based on data for 1977 which are published in Origin of Exports of Manufactured Products, MC77-SR-12, appendix B.⁴Source: Bureau of the Census Report 1M 145-X, U.S. Imports for Consumption and General Imports.⁵Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁶Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.⁷This total does not include either insulated wire and cable products or brass bronze foundry products.

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